



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
10903 New Hampshire Avenue  
Document Control Center - WO66-G609  
Silver Spring, MD 20993-0002

August 27, 2015

Sterilmed, Inc.  
Patricia F. Kaufman  
Regulatory Affairs Specialist  
5010 Cheshire Parkway Suite 2  
Plymouth, Minnesota 55446

Re: K150357

Trade/Device Name: Reprocessed Electrophysiology Diagnostic Catheters  
(See Attached List of Models)

Regulation Number: 21 CFR 870.1220

Regulation Name: Electrode Recording Catheter or Electrode Recording Probe

Regulatory Class: Class II

Product Code: NLH

Dated: July 17, 2015

Received: July 20, 2015

Dear Patricia F. Kaufman:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act

or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

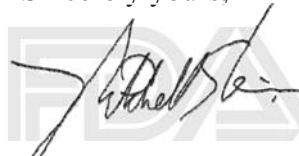
<http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

<http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

<http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Bram D. Zuckerman", is written over a large, light gray, semi-transparent watermark of the FDA logo.

for Bram D. Zuckerman, M.D.  
Director  
Division of Cardiovascular Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

K150357 List of Reprocessed Models Found SE:

Original Manufacturer	Model #	Description
Biosense Webster	D135303	Webster® Coronary Sinus Uni-Directional Catheters with Auto ID Technology, 6F, CS-D Curve, 115 cm useable length, 2 mm tip electrode
Biosense Webster	D135304	Webster® Coronary Sinus Uni-Directional Catheters with Auto ID Technology, 6F, CS-F Curve, 115 cm useable length, 2 mm tip electrode

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## Indications for Use

**510(k) Number:** K150357

**Device Name:** Reprocessed Electrophysiology Diagnostic Catheters

**Indications for Use:** The reprocessed EP diagnostic catheters are intended for temporary use during electrophysiology studies for intracardiac sensing, recording, and pacing for the electrophysiological mapping and evaluation of cardiac structures and arrhythmias. The catheter is designed for use in the coronary sinus.

Prescription Use   X    
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

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## Section II. SUMMARY AND CERTIFICATION

**A. 510(k) Summary** K150357

**Submitter:** Sterilmed, Inc.

**Contact Person:** Patricia Kaufman  
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Phone: 763.488.3211  
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**Date Prepared:** 11 February 2015

**Trade Name:** Reprocessed Electrophysiology Diagnostic Catheters

**Classification Name:** Electrode Recording Catheter or Electrode Recording Probe

**Classification Number:** Class II, 21 CFR 870.1220

**Product Code:** NLH

<b>Predicate Devices:</b>	The reprocessed EP diagnostic catheters are substantially equivalent to the Biosense Webster Webster® Coronary Sinus Uni-Directional Catheters with Auto ID Technology (K090898 and K101345).
<b>Device Description:</b>	The EP diagnostic catheters are steerable, multi-electrode catheters with a deflectable tip designed to facilitate electrophysiological mapping of the heart. The catheters have a high-torque shaft with a braided uni-directional deflectable tip section containing an array of ten platinum electrodes that includes a 2 mm tip dome, which can be used for stimulation and recording. The catheters are 6 French with a usable length of 115 cm. The braided tip is controlled by a proximal hand piece that features a thumb operated sliding piston, and is offered in various curve types. The high-torque shaft allows the plane of the curved tip to be rotated to facilitate accurate positioning of the catheter tip at the desired site.
<b>Indications for Use:</b>	The reprocessed EP diagnostic catheters are intended for temporary use during electrophysiology studies for intracardiac sensing, recording, and pacing for the electrophysiological mapping and evaluation of cardiac structures and arrhythmias. The catheter is designed for use in the coronary sinus.
<b>Technological Characteristics:</b>	The reprocessed EP diagnostic catheters are identical to the predicate devices in design, materials of construction, and intended use. There are no changes to the clinical applications, patient population, performance specifications, or method of operation.
<b>Functional and Safety Testing:</b>	Representative samples of reprocessed EP diagnostic catheters were tested to demonstrate appropriate functional characteristics. Process validation testing was performed to validate the cleaning and sterilization procedures as well as device packaging. In addition, the manufacturing process includes visual and validated functional testing of 100% of products reprocessed. The reprocessed EP diagnostic catheters are reprocessed no more than four (4) times. Each device is marked and tracked through each reprocessing cycle. After the device has reached the maximum number of reprocessing cycles, the device is rejected from further reprocessing. Reprocessing is performed only by the manufacturer Sterilmed. Sterilmed restricts its reprocessings to exclude devices previously reprocessed by other reprocessors.
<b>Summary of Non-clinical Tests Conducted:</b>	Specific non-clinical tests performed included: cleaning validation, sterilization validation (ISO 11135, USP <71>), biocompatibility testing (ISO 10993-1), ethylene oxide residual testing (ISO 10993-7), packaging validation (ASTM D 4169, ASTM F 88, ASTM F 2096), and shelf life validation (ASTM F 1980). In addition, validation of functional performance (bench testing) was performed through simulated use, visual inspection, fatigue testing, and function testing. Performance testing shows the reprocessed EP diagnostic catheters to perform as originally intended.
<b>Conclusion:</b>	Sterilmed concludes that the reprocessed EP diagnostic catheters are safe, effective, and substantially equivalent to the predicate devices, Webster® Coronary Sinus Uni-Directional Catheters with Auto ID Technology (K090898 and K101345) , as described in this premarket notification submission.